## WHAT IS CLAIMED IS:

- 1. An organic electroluminescence display device, comprising:
- a substrate including an emission region and a non-emission region;
- a first electrode on the substrate;
- a buffer layer on the first electrode, the buffer layer corresponding to the nonemission region;
  - a partition wall on the buffer layer, the partition wall including a polymer;
- a first carrier transporting layer on the substrate including the partition wall, the first carrier transporting layer having a hydrophilic portion corresponding to the emission region and a hydrophobic portion corresponding to the non-emission region;
- an emissive layer on the first carrier transporting layer, the emissive layer corresponding to the hydrophilic portion;
  - a second carrier transporting layer on the emissive layer; and
  - a second electrode on the second carrier transporting layer.
- 2. The device according to claim 1, wherein the hydrophilic portion of the first carrier transporting layer is formed by an oxygen plasma treatment.

- 3. The device according to claim 2, wherein the hydrophobic portion of the first carrier transporting layer is formed by using a mold made of a silicon rubber.
- 4. The device according to claim 1, wherein the first electrode and the second electrode function as an anode and a cathode, respectively.
- 5. The device according to claim 1, wherein the emissive layer is formed by a coating method using one of a nozzle apparatus and a roller.
- 6. The device according to claim 5, wherein the emissive layer is formed by using a solution including a water-soluble polymer emissive material.
- 7. The device according to claim 1, wherein the first carrier transporting layer includes a hole injection layer and a hole transporting layer.
- 8. The device according to claim 7, wherein the hole transporting layer includes poly(3,4-ethylenedioxythiophene)-poly(styrene sulfonic acid).
- 9. The device according to claim 1, wherein the second carrier transporting layer includes an electron transporting layer and an electron injection layer.



- 10. The device according to claim 1, wherein the second carrier transporting layer covers the first carrier transporting layer.
- 11. A method of fabricating an organic electroluminescence display device, comprising:

forming a first electrode on a substrate including an emission region and a nonemission region;

forming a buffer layer on the first electrode, the buffer layer corresponding to the nonemission region;

forming a partition wall on the buffer layer, the partition wall including a polymer;

forming a first carrier transporting layer on the partition wall, the first carrier transporting layer covering the entire substrate including the partition wall;

treating the first carrier transporting layer with an oxygen plasma, thereby the first carrier transporting layer having hydrophilicity;

attaching a mold to the first carrier treated with the oxygen plasma, thereby the first carrier transporting layer corresponding to the non-emission region having hydrophobicity;

removing the mold from the first carrier transporting layer;

forming an emissive layer on the first carrier transporting layer using a coating method, the emissive layer corresponding to the emission region;

forming a second carrier transporting layer on the emissive layer; and forming a second electrode on the second carrier transporting layer.

- 12. The method according to claim 11, wherein attaching the mold to the first transporting layer treated with the oxygen plasma is accomplished for about 1 minute to 10 minutes at a temperature within a range of room temperature to about 100 degrees centigrade.
- 13. The method according to claim 11, wherein the mold includes one of polydimethylsiloxane, polyurethane rubber, and elastomer.
- 14. The method according to claim 13, wherein the mold includes polydimethylsiloxane and a hardening agent of about 10 wt.%.
- 15. The method according to claim 10, wherein the first and second electrodes function as an anode and a cathode, respectively.
- 16. The method according to claim 15, wherein the first electrode includes a transparent conductive material.

- 17. The method according to claim 15, wherein the second electrode includes a metallic material having a lower work function than the first electrode.
- 18. The method according to claim 11, wherein the mold has a flat surface contacting the first carrier transporting layer.
- 19. The method according to claim 11, wherein the emissive layer is formed by a coating method using one of a nozzle apparatus and a roller.
- 20. The method according to claim 19, wherein the emissive layer is formed by using a solution including a water-soluble polymer emissive material.
- 21. The method according to claim 11, wherein the first carrier transporting layer includes a hole injection layer and a hole transporting layer.
- 22. The method according to claim 21, wherein the hole transporting layer includes poly(3,4-ethylenedioxythiophene)-poly(styrene sulfonic acid).
- 23. The method according to claim 11, wherein the second carrier transporting layer includes an electron transporting layer and an electron injection layer.

- 24. The method according to claim 23, wherein the second carrier transporting layer covers the entire substrate including the emissive layer.
- 25. The method according to claim 11, wherein the second electrode is formed by a deposition method.
- 26. The method according to claim 25, wherein forming the second electrode includes forming a metal layer on the second carrier transporting layer corresponding to the non-emissive layer, the metal layer disconnected from the second electrode.